


Under the Paperwork Reduction Act of 1996, no persons are required to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/823,090
		Filing Date	04/12/2004
		First Named Inventor	Thomas Patrick Dawson
		Group Art Unit	3736
		Examiner Name	unassigned
Sheet 1 of 3	Attorney Docket Number	50N3272.02	

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Class/Subclass		
M	1	5159927	128/419R	Schmid	11-03-1992
	2	4628933	128/419R	Michelson	12-16-1986
	3	5109844	128/419R	DeJuan, Jr. et al.	05-05-1992
	4	5935155	607/54	Humayun et al.	08-10-1999
	5	5651365	128/622.03	Hanafy et al.	07-29-1997
	6	5956292	367/140	Bernstein	09-21-1999
	7	5971925	600/443	Hossack et al.	10-26-1999
	8	5179455	359/9	Garlick	01-12-1993
	9	4343301	128/24	Indech	08-10-1982
	10	3848608	128/419R	Leonard	11-19-1974
	11	4979508	128/419R	Beck	12-25-1990
	12	5031154	367/8	Watanabe	07-09-1991
	13	5097326	358/94	Meijer	03-17-1992
	14	4611596	128/419R	Wasserman	09-16-1986
	15	4883067	128/732	Knispel	11-28-1989
	16	5853370	600/473	Chance	12-29-1998
	17	4664117	128/897	Beck	05-12-1987
	18	6017302	600/28	Loos	01-25-2000
	19	5738625	128/897	Gluck	04-14-1998

Examiner Signature		Date Considered	051706
-----------------------	---	--------------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

AUG 27 2004

PTO/SB/O&A (10-96)

Approved for use through 10/31/99, OMB 0651-0031

Patent and Trademark Office: U.S./DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/823,090
				Filing Date	04/12/2004
				First Named Inventor	Thomas Patrick Dawson
				Group Art Unit	3736
				Examiner Name	unassigned
Sheet	2	of	3	Attorney Docket Number	50N3272.02

OTHER PRIOR ART—NON-PATENT LITERATURE DOCUMENTS		
Examiner or Infringer	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	A1	MIHRAN, RICHARD T.; BARNES, FRANK S.; WACHTEL, HOWARD. "Transient Modification of Nerve Excitability in Vitro By Single Ultrasound Pulses". Department of Electrical and Computer Engineering, University of Colorado. 1990
	A2	MIHRAN, RICHARD T.; BARNES, FRANK S.; WACHTEL, HOWARD. "Temporally-specific modification of myelinated axon excitability in vitro following a single ultrasound pulse". Ultrasound Med Biol Department of Electrical and Computer Engineering, Univ. of Colorado. 1990. pp. 297-309.
	A3	MAYNARD, J.D.; WILLIAMS, E. G.; LEE, Y. "Nearfield acoustic holography: n I. Theory of generalized holography and the development of NAH (No date)
	A4	STANLEY, GARRETT B.; LE, FEI F.; DAN, YANG. "Reconstruction of Natural Scenes from Ensemble Responses in the Lateral Geniculate Nucleus". Depart. Of Molecular and Cell Biology, Div. of Neurobiology, Univ. of Calif. The Journal of Neuroscience. 1999. pp. 8036-8042.
	A5	ENSMINGER, DALE. Ultrasonics Fundamentals, Technology Applications. Columbus, Ohio. pp. 373-376. No date
	A6	GAVRILOV, L. R.; GERSHUNI, G. V.; PUDOV, V. I.; ROZENBLYUM, A. S.; TSIRULNIKOV, E. M. "Human hearing in connection with the action of ultrasound in the megahertz range on the aural labyrinth". American Institute of Physics. Pp. 290-292. undated
	A7	NORMAN, RICHARD A.; MAYNARD, EDWIN M.; GUILLORY, K. SHANE; WARREN, DAVID J. "Cortical Implants for the Blind". Cortical Implants for the Blind". The Institute of Electrical and Electronics Engineers, Inc. 1996.
	A8	SCHWARTZ, ERIC L.; MERKER, BJORN; WOLFSON, ESTAROSE; SHAW, ALAN. "Applications of Computer Graphics and Image Processing to 2D and 3D Modeling of the Functional Architecture of Visual Cortex". Computational Neuroscience 13. undated
	A9	LANGE, LARRY. "Treading fine line between man and machine, researchers pursue silicon prostheses – Chip implants: weird science with a noble purpose – Second of two parts". CMPnet. The Technology Network. February 10, 1997.
	A10	MATSUMOTO, CRAIG. "Papers outline biochips to restore eyesight, movement". EETIMESonline. www.cmpnet.com . The Technology Network. 1999.

Examiner Signature		Date Considered	05-17-06
--------------------	--	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹²Unique citation designation number. *Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/823,090
		Filing Date	04/12/2004
		First Named Inventor	Thomas Patrick Dawson
		Group Art Unit	3736
		Examiner Name	unassigned
Sheet 3 of 3	Attorney Docket Number	50N3272.02	

<input checked="" type="checkbox"/>	A11	"Encoding of Binocular Disparity by Complex Cells in the Cat's Visual Cortex". JN Online. The Journal of Neurophysiology. Vol. 77. No. 6. 1997. pp. 2879-2909.	
<input checked="" type="checkbox"/>	A12	NORMANN, RICHARD A. http://www.bionicttech.com . Center for Neural Interfaces. <i>no date</i>	
<input checked="" type="checkbox"/>	A13	WHITHOUSE, DAVID. Sci/Tech Computer uses cat's brain to see. <i>no date</i>	
<input checked="" type="checkbox"/>	A14	The Whitaker Center for Medical Ultrasonic Transducer Engineering. PennState College of Engineering. kksbio@engr.psu.edu. <i>no date</i>	
<input checked="" type="checkbox"/>	A15	Dpmi.tu-graz.ac.at/research/BCI; Brain Computer Interface. <i>no date</i>	
<input checked="" type="checkbox"/>	A16	ipaustalia.gov.au/fun/patents/02_ear.htm. Bionic Ear Patent. Melbourne University, Australian Patent 519851. filing date 1978.	
<input checked="" type="checkbox"/>	A17	WILLIAMS, EARL G. "Measurement and Projection of Acoustic Fields". Nava Research Laboratory, Code 5137, Washington DC 20375. <i>no date</i>	
<input checked="" type="checkbox"/>	A18	WALL, JUDY. "Resonance". Newsletter of the Bioelectromagnetics Special Interest Group. Pp. 11-13, 15-16. <i>no date</i>	

Examiner Signature		Date Considered	05-17-06
--------------------	---	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹²Unique citation designation number. *Applicant is to place a check mark here if English language Translation is attached.

Burdan Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.